PUBLIC WORKS INDEX

Volume 83

January-December 1952

AIRPORTS

	Month and page
Airport Weed Control Pays	Jan.—37
Fire Protection for Chicago Midway Airport	Jan.—40
Surfacing Methods for Two Michigan Airports	Feb.—51
Our Largest Airport	Mar.—39
Airport Engineers Must Keep Two Jumps Ahead	May—60

HIGHWAYS AND STREETS

Bituminous Pavements

Automatic Asphalt Binder Batcher	Feb.—98
County Road Construction With Emulsified Asphalt	Mar.—71
Stripping in Bituminous Pavements	Apr.—131
How Florida Improves Substandard Roads	July—53
Portable Patch Plant Solves Street Patching Problems	Oct.—72
How to Correct Slick Spots	Nov.—59
Rubber Asphalt Pavement Test in Milwaukee	Dec.—77
Tar, Tar-Rubber and Other Paving Developments	Dec.—92

Bridges, Culverts and Drainage

Designing and Constructing for Erosion Control	Apr.—134
Modern Rehabilitation Methods for Bridges	May—49
Rising Lake Levels Threaten Michigan Highways	June—48
How You Can Design and Build Prestressed Bridges	Aug.—70
Submersible Pump Units for Underpass Drainage	Nov.—78
New Floor, Plus Beam Reinforcement Makes New Bridge	Dec.—82
Reinforced Concrete Box Girders Solve Four Problems	Dec.—99

Concrete Pavements

Faster Repaving for 9,000 Street Openings	Apr.—79
How to Correct Highway Slab Slip	June—71
How Florida Improves Substandard Roads	July—43
What to Do About Pavements at Bus Stops	Sept.—61
A New Idea for Better Concrete	Sept.—70
Mobile Unit for Highway Study	Sept.—102

Construction Methods

Making a Fill on 85 Ft. of Mud	Apr.—132
How Good Construction Safety Practices Save Money	July—80
Compacting with Track-laying Tractors	Sept.—76
A Super-Highway Amendment to the Oregon Trail	Oct.—82
Filling on Soft Mud Without Dredging	Nov.—84
Reinforced Concrete Box Girders Solve Four Problems	Dec.—99

Costs

Construction Cost Reaches Record High	Apr.—58

Curbs, Gutters and Sidewalks

Sidewalk Dangers Can be Eliminated by Resurfacing	Apr.—99
Hollow Sidewalks a Problem in Street Widening	Sept.—89

Design

	Month and page
Effect of Frost on Road Bearing Capacity	Jan.—73
Fake Cattle Guard Fools Cows	Apr.—56
Modern Design for California Freeway	July—52
Skid Resistance in Different Pavement Surfaces	Sept.—86
Street Lighting Engineering	Dec.—66
Rubber Asphalt Pavement Test in Milwaukee	Dec.—77

Digests

Jan.—69; Feb.—94; Mar.—74; Apr.—129; May—91; June—110; July—78; Aug.—110; Sept.—101; Oct.—123; Nov.—86; Dec.—109	

Equipment

Special Equipment for State Highway Maintenance	Jan.—35
Two-Way Radio Expedites Highway Work	Jan.—37
Equipment Lowers Cost of State Highway Maintenance	Jan.—39
Special Equipment Speeds Michigan Maintenance	Feb.—62
Machines and Men in Maintenance	Feb.—64
Reports from the Field: Better Methods and Equipment	Feb.—72; May—74; June—86; Nov.—71
Equipment Applications in Ohio Maintenance	Mar.—47
Mechanizing Highway Maintenance in Texas	Apr.—88
Field Car for Engineering Work	Apr.—108
How County Engineers Use Equipment	Apr.—110
Front End Loaders Are Profitable	May—50
Specialized Maintenance Equipment	May—53
Motor Graders, Bulldozers and Loaders Help Maintenance Team	May—67
Most Cities Prefer Large Motor Graders	May—83
Catch Basin Cleaners and Front End Loaders Reduce Costs	June—122
How to Use a Power Shovel	July—69
Machines Do the Work Faster and Cheaper	Aug.—77; Sept.—75; Dec.—90
How Truck Loaders Solve Our Loading and Cleaning Problem	Oct.—79
Stump Splitter is Mounted on Tractor	Oct.—102
Trucks Weighed at 50 Miles Per Hour	Nov.—64

Planning

Street Improvement Specifications for Subdivisions	Mar.—60
Required Improvements in New Land Subdivisions	May—54
Origin and Destination Surveys	June—48
Parking Meters Pay the Bill	Dec.—57

Materials

Conserving Critical Materials in Concrete Street Construction	Jan.—44
A New Idea for Better Concrete	Sept.—70

Roadside Improvement

Special Equipment for State Highway Maintenance	Jan.—35
Cutter and Chipper Reduce Road Brushing Costs	Apr.—83
Turf Shoulder Recommendations by Highway Research Board	July—82
Tree Control and a Tree Planning Program	Aug.—76
Ground Cover Plants for Roadside Erosion Control	Sept.—82

Safety

Grade Crossings Rated on Hazard to Traffic	Feb.—76
Sidewalk Dangers Can be Eliminated by Resurfacing	Apr.—99
Safe Barricading Procedures	May—94
How Good Construction Safety Practices Save Money	July—80

Snow and Ice Control

	Month and page
Forecast: Snow	Feb.—55
Colorado's Avalanche Control Program	Mar.—50
Fast and Low Cost Snow Removal	Mar.—59
Rock Salt Saves Money on Snow Removal	Nov.—70
How We Save Money on Snow and Ice Control	Dec.—65

Stabilized Surfaces and Bases

Lime Stabilization in Road Construction	Mar.—77
How Calcium Chloride Saves Road Money	Mar.—79
Spent Sulphite Liquor as a Road Binder	May—79
Street Oiling Program Pleases Public	Sept.—56
Cement Treated Base Construction in California	Oct.—134
Municipally Owned Equipment Reduces Street Costs	Nov.—52

Street Cleaning

How Truck Loaders Solve Our Loading and Cleaning Problem	Oct.—79

Surface Maintenance

Special Equipment for State Highway Maintenance	Jan.—35
Equipment Lowers Cost of State Highway Maintenance	Jan.—39
Special Equipment Speeds Michigan Maintenance	Feb.—62
Machines and Men in Maintenance	Feb.—64
Motor Graders, Bulldozers and Loaders Help Maintenance Team	May—67
Street Maintenance on "Business as Usual" Basis	June—68
How to Correct Highway Slab Slip	June—71
Methods of Improving Gravel Roads in Wayne County	Aug.—114
What To Do About Pavements at Bus Stops	Sept.—61
Rail Cutting Aids Street Improvement	Sept.—106
Portable Patch Plant Solves Street Patching Problems	Oct.—72
How to Correct Slick Spots	Nov.—59

Surveys

How to Make a Low-Cost Terrain Model	Jan.—43
Minnesota Highway Department Is Up-to-Date	Feb.—117
Frame for Level Rod for Gutter Grades	June—121

Traffic Control and Parking

Solving Parking Problems in Minneapolis	Jan.—48
Flex-Beams for Traffic Channelization	Jan.—87
Origin and Destination Surveys	June—48
Solving the Off-Street Parking Problem	Aug.—57
How to Get More Space for Parkers	Aug.—58
Trucks Weighed at 50 Miles Per Hour	Nov.—64

Weed and Brush Control

Chopper Speeds Up Brush Disposal	Feb.—76
Ten Ways to Use Herbicides to Control Roadside Vegetation	June—79

POWER AND LIGHT

Benton's Dual Fuel Pays Off	Feb.—74
Village Profits by Municipal Power	Mar.—56
Dual Fuel Engine Cuts Power Costs	May—57
Diesel Conversion Reduces Fuel Costs	Aug.—65
Dual Fuel Engine Saves $25,000 a Year	Sept.—67
50 Per Cent Reduction in Power Cost With Dual Fuel	Dec.—62
Street Lighting Engineering	Dec.—66
Dual Fuel Conversion Cuts Power Costs at Record Low	Dec.—73

Month and page

CIVIL DEFENSE

Conserving Critical Materials in Concrete Street Construction ... Jan.—44
What You Should Know About Engines for Standby Service ... Feb.—69
Civil Defense for New Jersey's Water Departments ... Apr.—73
How Toledo Developed Its Civil Defense Organization ... Apr.—76
Wartime Water Supply in London ... June—65
Standby Power Meets an Emergency ... July—57
A Civil Defense Program Your Community Can Follow ... Aug.—72

REFUSE COLLECTION AND DISPOSAL

Collection Methods

New Equipment Reduces Garbage Collection Costs ... Feb.—76
Free Trash and Garbage Disposal ... Mar.—57
Solving a Public Works Problem by Community Cooperation ... May—62

Costs

How to Make Garbage Disposal Pay ... Feb.—109
Sanitation Equipment Maintenance Pays ... June—81

Incineration

Incinerator Performance in Maryland ... Jan.—89
Revenue from Incineration for St. Louis ... June—100
Modern Incinerator Design for New York City ... Aug.—62
Making a Profit from Your Incinerator ... Aug.—75
Builds Incinerator by Lease-Purchase Plan ... Aug.—88
Harbor Refuse Disposal in a Large Port ... Oct.—80

Sanitary Fill

Twenty Years Experience With a Sanitary Fill ... Jan.—52
Sanitary Landfill in the Cold North ... Jan.—78
Sanitary Landfill in Maryland ... Jan.—81
Composting and Incinerating Refuse ... Apr.—124
How to Operate a Sanitary Fill in Really Cold Weather ... May—64
Disposes of Refuse, Reclaims Land and Builds Playground ... Aug.—84
Refuse Disposal by Sanitary Fill ... Sept.—74
Sanitary Fills Pay Off in Seattle ... Dec.—78

Other Disposal Methods

Free Trash and Garbage Disposal ... Mar.—57
Garbage Reduction at Indianapolis ... Apr.—82
Composting and Incinerating Refuse ... Apr.—124
A New Method of Garbage Disposal by Composting ... June—75
Studies in Composting Organic Refuse ... Sept.—66
Milwaukee Considers Composting Garbage ... Oct.—104
Garbage Grinders in the Los Angeles Area ... Nov.—100
Feeding Garbage to Hogs Spreads New Disease ... Nov.—103

Digests

Jan.—62; Feb.—102; Mar.—67; Apr.—137; May—85; June—117; July—72; Aug.—115; Sept.—107; Oct.—115; Nov.—80; Dec.—101

SEWERAGE AND SEWAGE TREATMENT

Sewer Systems—Construction

Portland's Unusual Sewage Disposal System ... Mar.—42
Plastic Lined Sewer is 7 Miles Long ... Mar.—46
Curing Fallen Arches and Soft Footings ... May—56
Difficult Construction for Sewer System and Treatment Plant ... June—73

Sewer Systems—Design

Rapid Method for Determining Critical Depth Relationships in Partly Full Pipes ... Apr.—90
Hydraulics of Sewers ... June—59

Month and page

Sewer Systems—Finance, Legal and Planning

Subdivision Sanitation in Rural Areas ... Feb.—66
Required Improvements in New Land Subdivisions ... May—54
Water Supply and Sewerage at $3.30 per Month per Home ... June—106
A Small City Can Afford Modern Sewage Treatment ... Sept.—59
The Materials Situation for Water and Sewage Systems ... Oct.—70

Sewer Systems—Maintenance

Water Pump Places Grout to Stop Sewer Leak ... Jan.—42
Sewer Cleaning in Hayward ... June—123
Procedures and Hazards in Ocean Outfall Inspection ... Dec.—60

Sewer Systems—Storm Drainage

Storm Drain Research ... Jan.—80
Submersible Pump Units for Underpass Drainage ... Nov.—78

Pumping

Bladeless Trash Pumps Cure Sewage Pumping Problem ... Jan.—60

Sewage Treatment—Design

Industry and City Cooperate in Sewage Treatment ... Jan.—46
Application of the NRC Filter Efficiency Formula ... Jan.—50
Combining Filters and Activated Sludge ... Feb.—92
Water Works and Sewage Treatment for Brevard ... Mar.—45
Dual Plant Treats Sewage and Industrial Wastes ... Mar.—52
Small Sewage Treatment Plants in New Zealand ... Apr.—80
Water Filtration and Sewage Treatment at Clarkston ... May—66
Suggestions for Designers of Sewage Plants ... May—89
Digester Gas Produces Power and Saves Money ... May—104
How to Design Vitrified Clay Block Walls for Trickling Filters ... Aug.—80
Get Better Operation Designed Into Your Next Plant ... Sept.—60
Two Design Features Reduce Sewage Treatment Plant Cost ... Oct.—67
Tacoma Treatment Plant Reduces Puget Sound Pollution ... Nov.—65

Sewage Treatment—Industrial Wastes

Industry and City Cooperate in Sewage Treatment ... Jan.—46
Pre-Treatment of Milk Waste Reduces Plant Load ... Jan.—56
Dual Plant Treats Sewage and Industrial Wastes ... Mar.—52
Waste Treatment for Tank Manufacturing Plant ... May—51
Brine Contamination of Streams ... May—72
How to Survey a Stream for Radioactive Contamination ... June—76
Industrial Wastes in the Metropolitan New York Area ... Sept.—50
Industrial Wastes—A Community Problem ... Oct.—74; Dec.—74
Treatment Process Completely Eliminates Cyanide Content ... Oct.—84
Special Treatment for Industrial Wastes at a City Plant ... Nov.—54

Sewage Treatment—Operation

Alternating Double Filtration of Sewage ... Mar.—63
Curing Aeration Tank Foaming ... Mar.—87
Operating Activated Sludge Plants ... May—68
Flushing Sludge Lines at a Sewage Plant ... May—82
A Study of Sludge Dewatering at a Small Plant ... July—54

Month and page

Sewage Treatment—Construction

Filter Stone and Underdrain Specifications and Placement ... Feb.—52
Portland's Unusual Sewage Dispotal System ... Mar.—42
Difficult Construction for Sewer System and Treatment Plant ... June—73
A Small City Can Afford Modern Sewage Treatment ... Sept.—59

Sewage Treatment—Research and Processes

Bacterial—Quality Objectives for the Ohio River ... Jan.—53
Ship Sewage Disposal ... Feb.—82
Ferric Sulfate as Sludge Conditioner ... Feb.—101
Radioactive Waste Problems ... Feb.—119
Soil Percolation Rates and Characteristics ... July—46
A Study of Sludge Dewatering at a Small Plant ... July—54
Utilization of Sewage Treatment By-Products ... Aug.—82
Pollution and Abatement Problems of Northern Virginia ... Aug.—86
Effects of Filter Loadings and Recirculation Rates ... Oct.—86
Effect of Enzymes on Model Septic Tank Operation ... Oct.—112
Sewage Treatment and Water Pollution Research in England ... Nov.—88
How Enzymes Improved Sludge Digestion ... Dec.—69

Digests

Jan.—62; Feb.—102; Mar.—67; Apr.—137; May—85; June—117; July—72; Aug.—115; Sept.—107; Oct.—115; Nov.—80; Dec.—101

WATER SUPPLY AND PURIFICATION

Finance, Legal and Planning

Nowata Has First Fluoridation in Oklahoma ... Feb.—119
Handling the Critical Materials Problem in a Water Department ... Apr.—69
Civil Defense for New Jersey's Water Departments ... Apr.—73
Required Improvements in New Land Subdivisions ... May—54
Water Works Practices in Texas ... July—45
The Educational Program that Averted a Water Famine ... Aug.—60
The Materials Situation for Water and Sewage Systems ... Oct.—70
How Raleigh Sold the Need for More Water ... Oct.—77
Atrocious Timing But Still Needed ... Dec.—82

Pumping

What You Should Know About Engines for Standby Service ... Feb.—69
Few Customers, Large Pumpage at Groton Water Works ... Sept.—53
Six Pumps Deliver 2,100,000 Gallons Per Minute ... Nov.—62

Reservoirs and Tanks

Elevated Tank Reduces Pumping Load ... May—88
Water Works Practices in Texas ... July—45
Siltation of Lake Springfield and Its Control ... Oct.—102
If You Need to Dredge a Reservoir, This Will Help ... Dec.—86

Month and page

Supply Lines and Distribution—Construction

Unusual Construction Methods for Big Pipe Line ..... Jan.—41
Flexible Pipe Facilitates Water System Construction ..... Feb.—84
Corrosion Control for Pipe in Salt Marsh ..... Mar.—68
Reports from the Field—Better Methods and Equipment ..... Apr.—95
Special Equipment for Laying Large Water Pipe ..... May—58
Jointing Materials for Cast Iron Pipe ..... July—50
Trench Drill Speeds Laying Pipe Under Roads ..... Sept.—65
Machines Do the Work Faster and Cheaper ..... Oct.—88

Supply Lines and Distribution—Costs

Cost of Water Main Construction in St. Paul ..... Apr.—56
Cost Summary on 6-in. Water Main Construction ..... June—46
Water Supply and Sewerage at $3.30 per Month per Home ..... June—106
Financial Mathematics of Water Main Extensions ..... Dec.—72
Cost of Laying Water Pipe in Hartford ..... Dec.—100
Cost of Laying Water Pipe in St. Louis ..... Dec.—100

Supply Lines and Distribution—Maintenance

Reports from the Field—Better Methods and Equipment ..... Apr.—95
Machines Do the Work Faster and Cheaper ..... Aug.—77; Sept.—75; Oct.—88
Repairing Leaky Joints in the Winnipeg Aqueduct ..... Sept.—88
A Better Method of Replacing Services ..... Oct.—89

Treatment Plants—Construction

Better Water Plant for Decatur ..... May—100
How Miami Gets Water for a Doubled Population ..... June—66
Remodeling Fargo's Water Treatment Plant ..... June—93
New Water Plant Rehabilitates Town ..... Dec.—71

Treatment Plants — Costs

Why Softening Saves Money and Makes Water Better ..... Apr.—85

Treatment Plants — Water Testing

How to Test for Fluorides ..... Apr.—92
Accurate pH Control Aids in Water Treatment ..... Nov.—105

Treatment Plants—Design

Water Works and Sewage Treatment for Brevard ..... Mar.—45
Water Filtration and Sewage Treatment at Clarkston ..... May—66
If You Want Fluoridation, Set High Standards ..... June—84
Dustless Chemical Handling for a Water Treatment Plant ..... July—62
How to Use Porous Plates for the Modern Water Filter ..... Sept.—63
Investigate Pneumatic Conveyors for Handling Bulk Chemicals ..... Nov.—50
Turbidity and Odor Problems Overcome in Filter Plant Design ..... Nov.—60
Salt Well Furnishes Brine for Water Softening ..... Dec.—63

Treatment Plants—Operation

Dehumidification for Pipe Galleries in Filtration Plants ..... Jan.—77
Sand Washing of Slow Sand Filters ..... Jan.—81

Treatment Methods

Curing a Green Water Supply ..... Jan.—79
How Chlorination Improves Swimming Pool Operation ..... Feb.—58
Solving an Algae-Odor Problem ..... Mar.—86
Why Softening Saves Money and Makes Water Better ..... Apr.—85
Few Customers, Large Pumpage at Groton Water Works ..... Sept.—53

Month and page

Digests

Jan.—74; Feb.—86; Mar.—81; Apr.—121; May—97; June—102; July—84; Aug.—103; Sept.—95; Oct.—129; Nov.—92; Dec.—116

Water Demand

A 1902 Population and Water Use Estimate ..... June—72
The Educational Program that Averted a Water Famine ..... Aug.—60
Water Works Practices in Texas ..... July—45

Water Supply and Sources

Radioactive Isotopes Trace Underground Waters ..... Jan.—57
Rating Water Current Meters ..... Mar.—73
Wartime Water Supply in London ..... June—65
Radar Possibilities for More Precise Rainfall Data ..... Aug.—84
Ohio Water Resources—A Clinical Report ..... Sept.—78
Think of Wells for That Field Water Supply ..... Oct.—69

ADMINISTRATION

Simplified City-Owned Automobile Control ..... Feb.—78
Introducing the New Worker to His Job ..... Mar.—49
Street Improvement Specifications for Subdivisions ..... Mar.—60
Required Improvements in New Land Subdivisions ..... May—54
Solving a Public Works Problem by Community Cooperation ..... May—62
How to Orient New Employees ..... May—90
How Governmental Functions Were Reallocated in Annexation ..... July—61
Planning—What Is It? ..... Aug.—69
Safety Training Procedures for Foremen ..... Oct.—127
Streamlined Public Works Organization Gets Results ..... Nov.—47

GENERAL AND MISCELLANEOUS

How to Make a Low-Cost Terrain Model ..... Jan.—43
Cement Dust is a Useful By-Product ..... Feb.—119
Navy to Use Plastic Pipe on Small Ships ..... June—106
The New Soil Conditioner Krilium ..... June—107
How the Sunday Paper Can Help in Public Relations ..... July—59
Schemes Suggested for Smog Control in the Los Angeles Area ..... July—69
The Key to Better Brush Control ..... Sept.—68
A New Idea for Better Concrete ..... Sept.—70
Early Release from Service of Reserve Officers ..... Oct.—143
Conservation and the Public Works Engineer ..... Nov.—57
How to Get More Service from Industrial Hose ..... Dec.—80

LEADERS IN PUBLIC WORKS

Samuel L. Tolman ..... Jan.—1, 16
George J. Van Dorp ..... Feb.—1, 24
Rex M. Whitton ..... Mar.—1, 24
James J. Doland ..... Apr.—1, 22
E. L. Schmidt ..... May—1, 24
George J. Fisher ..... June—1, 16
Milton Offner ..... July—1, 18
Henry Liebman ..... Aug.—1, 24
Warren A. Coolidge ..... Sept.—1, 18
Kerwin L. Mick ..... Oct.—1, 32
Howard R. Green ..... Nov.—1, 24
Samuel P. Turnbull ..... Dec.—1, 26

PUBLIC HEALTH

Bacterial-Quality Objectives for the Ohio River ..... Jan.—53
Subdivision Sanitation in Rural Areas ..... Feb.—66
Algal Toxins ..... Mar.—54
Water-Borne Disease Outbreaks ..... May—101
How to Survey a Stream for Radioactive Contamination ..... June—76
Program for Eliminating Cross-Connections ..... Oct.—126

Month and page

INSECT AND RODENT CONTROL

All-Year Rat Control at a Public Dump ..... May—71
Chlordane, BHC and Lindane for DDT Resistant Bugs ..... June—46
Baited Buffer Strip for Rat Control ..... July—49
What You Should Know About Municipal Insect Control ..... Aug.—66

RECREATIONAL FACILITIES

How Chlorination Improves Swimming Pool Operation ..... Feb.—58
Diatomite Filters for a Swimming Pool ..... Sept.—89
Beachcomber Truck Cleans Beach ..... Oct.—145

AUTHORS

Allison, S. L.—"Curing Aeration Tank Foaming" ..... Mar.—87
Anderson, Robert L.—"Refuse Disposal by Sanitary Fill" ..... Sept.—74
Anderson, William J.—"A New Idea for Better Concrete" ..... Sept.—70
Andrews, L. C.—"Surfacing Methods for Two Michigan Airports" ..... Feb.—51
Armstrong, J. N.—"Colorado's Avalanche Control Program" ..... Mar.—50
Arnold, G. E.—"The Materials Situation for Water and Sewage Systems" ..... Oct.—70
Arthur, G. B.—"Portland's Unusual Sewage Disposal System" ..... Mar.—42
"Street Maintenance on 'Business as Usual' Basis" ..... June—68
"A Super-Highway Amendment to the Oregon Trail" ..... Oct.—82
"Parking Meters Pay the Bill" ..... Dec.—57
Bailey, P. S. — "Mechanizing Highway Maintenance in Texas" ..... Apr.—88
Beck, W. D.—"The Key to Better Brush Control" ..... Sept.—68
Behlmer, H. H. — "Remodeling Fargo's Water Treatment Plant" ..... June—93
Benton, LT JG J. H.—"How to Make a Low-Cost Terrain Model" ..... Jan.—43
Besselievre, E. B.—"Industrial Wastes—A Community Problem" ..... Oct.—74; Dec.—74
Booth, E. J. and Donald Keagy—"How to Operate a Sanitary Fill in Really Cold Weather" ..... May—64
Bowen, Glenn D.—"A Better Method of Replacing Services" ..... Oct.—89
Bowerman, F. R. — "Procedures and Hazards in Ocean Outfall Inspection" ..... Dec.—60
Bruhnke, L. T. — "Water Pump Places Grout to Stop Sewer Leak" ..... Jan.—42
Bryan, A. C.—"How Enzymes Improved Sludge Digestion" ..... Dec.—69
Camp, Thomas R. — "Hydraulics of Sewers" ..... June—50
Carter, H. C.—"Lime Stabilization in Road Construction" ..... Mar.—77
Cates, H. J., Jr.—"Making a Profit From Your Incinerator" ..... Aug.—75
Collier, B. T.—"County Road Construction with Emulsified Asphalt" ..... Mar.—71
Coultos, Murray—"How You Can Design and Build Prestressed Bridges" ..... Aug.—70
Davis, B. W.—"Motor Graders, Bulldozers and Loaders Help Maintenance Team" ..... May—67
Davis, Delamater. — "Specialized Maintenance Equipment" ..... May—53
Davy, Philip—"Pre-Treatment of Milk Waste Reduces Plant Load" ..... Jan.—56
Denkin, D. F. and R. B. Seymour—"Jointing Materials for Cast Iron Pipe" ..... July—50
Downey, B. R.—"Special Equipment Speeds Michigan Maintenance" ..... Feb.—62
Dutton, L. F.—"Few Customers, Large Pumpage at Groton Water Works" ..... Sept.—53
Eichenauer, Harry and G. E. Symons—"A Study of Sludge Dewatering at a Small Plant" ..... July—54
Elbin, Guy—"Modern Rehabilitation Methods for Bridges" ..... May—49
Fagerlind, C. C.—"Street Oiling Program Pleases Public" ..... Sept.—56
Fair, E. W. — "Introducing the New Worker to His Job" ..... Mar.—49

Month and page

Federick, J. C.—"Soil Percolation Rates and Characteristics" ..... July—46

Finney, J. Wiley, Jr. — "If You Want Fluoridation, Set High Standards" ..... June—84

"Turbidity and Odor Problems Overcome in Filter Plant Design" ..... Nov.—60

Fisher, M. W.—"Machines and Men in Maintenance" ..... Feb.—64

Fox, Sir Cyril S.—"Radioactive Isotopes Trace Underground Waters" ..... Jan.—57

Frizzell, W. D. — "Municipally Owned Equipment Reduces Street Costs" ..... Nov.—52

Gillard, H. W. and A. A. Kalinske.—"Operating Activated Sludge Plants" ..... May—68

Gottlieb, W. H.—"Benton's Dual Fuel Pays Off" ..... Feb.—74

Graeser, Henry J.—"Handling the Critical Materials Problem in a Water Department" ..... Apr.—69

Greenberg, L. A.—"Civil Defense for New Jersey's Water Departments" ..... Apr.—73

Griffin, A. E. and Harold Landshof—"How Chlorination Improves Swimming Pool Operation" ..... Feb.—58

Griggs, H. L., Jr.—"How to Correct Highway Slab Slip" ..... June—71

Hall, D. G.—"What You Should Know About Municipal Insect Control" ..... Aug.—66

Harley, F. E.—"Planning—What Is It? ..... Aug.—69

Harroun, Catherine and Ruth Teiser—"Dual Plant Treats Sewage and Industrial Wastes" ..... Mar.—52

Harrub, C. N.—"A Small City Can Afford Modern Sewage Treatment" ..... Sept.—59

Havens, George M.—"Investigate Pneumatic Conveyors for Handling Bulk Chemicals" ..... Nov.—50

Hellesoe, G. F.—"Special Equipment for State Highway Maintenance" ..... Jan.—35

Hellige, H. C. and J. Kushner—"How to Test for Fluorides" ..... Apr.—92

Hicks, Walter F., Jr.—"Two Design Features Reduce Sewage Treatment Plant Cost" ..... Oct.—67

Hirsch, Philip L.—"Our Largest Airport" ..... Mar.—39

Horan, Frank P.—"What To Do About Pavements at Bus Stops" ..... Sept.—61

Hubel, John—"Hollow Sidewalks a Problem in Street Widening" ..... Sept.—89

"Milwaukee Considers Composting Garbage" ..... Oct.—104

"Rubber Asphalt Pavement Test in Milwaukee" ..... Dec.—77

Hughes, M. Clyde—"How Governmental Functions Were Reallocated in Annexation" ..... July—61

Johnson, Dewey—"Special Equipment for Laying Large Water Pipe" ..... May—58

Johnson, R. L.—"Simplified City-Owned Automobile Control" ..... Feb.—78

Johnson, Roy—"Bladeless Trash Pumps Cure Sewage Pumping Problem" ..... Jan.—60

Kalinske, A. A. and H. W. Gillard—"Operating Activated Sludge Plants" ..... May—68

Karolevitz, R. F.—"Sanitary Fills Pay Off in Seattle" ..... Dec.—78

Keagy, Donald and E. J. Booth—"How to Operate a Sanitary Fill in Really Cold Weather" ..... May—64

Kelly, L. B.—"All-Year Rat Control at a Public Dump" ..... May—71

Kenyon, R. J.—"A New Method of Garbage Disposal by Composting" ..... June—75

Month and page

Kitfield, P. H.—"Catch Basin Cleaners and Front End Loaders Reduce Costs" ..... June—122

Kochtitzky, O. W. and O. R. Placak—"How to Survey a Stream for Radioactive Contamination" ..... June—76

Contamination" ..... June—76

Kremer, John — "Waste Treatment for Tank Manufacturing Plant" ..... May—51

Kushner, J. and H. C. Hellige—"How to Test for Fluorides" ..... Apr.—92

Landshof, Harold and A. E. Griffin—"How Chlorination Improves Swimming Pool Operation" ..... Feb.—58

LePore, A—"Ten Ways to Use Herbicides to Control Roadside Vegetation" ..... June—79

Liebman, Henry—"Forecast: Snow" ..... Feb.—55

"Sanitation Equipment Maintenance Pays" ..... June—81

"Modern Incinerator Designs for New York City" ..... Aug.—62

Lose, C. R.—"Treatment Process Completely Eliminates Cyanide Content" ..... Oct.—84

Lough, R. C.—"Small Sewage Treatment Plants in New Zealand" ..... Apr.—80

Mahlie, W. S. and N. C. Winder—"Filter Stone and Underdrain Specifications and Placement" ..... Feb.—52

Martin, George E.—"How to Correct Slick Spots" ..... Nov.—59

MacMurray, Paul—"Faster Repaving for 9,000 Street Openings" ..... Apr.—79

MacPherson, A. R.—"Tacoma Treatment Plant Reduces Puget Sound Pollution" ..... Nov.—65

MacPherson, Malcolm—"Cutter and Chipper Reduce Road Brushing Costs" ..... Apr.—83

McConnell, L. M. — "Rock Salt Saves Money on Snow Removal" ..... Nov.—70

McKeon, Leon C.—"Fast and Low Cost Snow Removal" ..... Mar.—59

McMillin, Mark—"Modern Design for California Freeway" ..... July—52

Merrill, L. D.—"How Truck Loaders Solve Our Loading and Cleaning Problem" ..... Oct.—79

Metzler, Dwight—"Industry and City Cooperate in Sewage Treatment" ..... Jan.—46

Meyer, R. L.—"Sidewalk Dangers Can be Eliminated by Resurfacing" ..... Apr.—99

Miles, H. J.—"Rapid Method for Determining Critical Depth Relationships in Partly Full Pipes" ..... Apr.—90

More, J. F.—"How Toledo Developed Its Civil Defense Organization" ..... Apr.—76

Morrison, J. L.—"How the Sunday Paper Can Help in Public Relations" ..... July—59

"How Raleigh Sold the Need for More Water" ..... Oct.—77

"New Water Plant Rehabilitates Town" ..... Dec.—71

Muller, J. A.—"How to Get More Service from Industrial Hose" ..... Dec.—80

Otter, J. V.—"Flex-Beams for Traffic Channelization" ..... Jan.—87

Pierce, Albert R.—"Streamlined Public Works Organization Gets Results" ..... Nov.—47

Placak, O. R. and O. W. Kochtitzky—"How to Survey A Stream for Radioactive Contamination" ..... June—76

Powers, John B.—"Flushing Sludge Lines at a Sewage Plant" ..... May—82

Pratt, Edmund A—"Conservation and The Public Works Engineer" ..... Nov.—57

Quirk, J. H.—"Field Car for Engineering Work" ..... Apr.—108

Month and page

Robrecht, Arnold—"Portable Patch Plant Solves Street Patching Problems" ..... Oct.—72

Roe, F. C.—"How to Use Porous Plates for the Modern Water Filter" ..... Sept.—63

Rosengarten, W. E.—"Solving the Off-Street Parking Problem" ..... Aug.—57

Salvato, J. A., Jr.—"Subdivision Sanitation in Rural Areas" ..... Feb.—66

Sargent, H. E.—"Front End Loaders Are Profitable" ..... May—50

Saunders, D. J.—"Why Softening Saves Money and Makes Water Better" ..... Apr.—85

Schaeublin, L. F.—"Equipment Applications in Ohio Maintenance" ..... Mar.—47

Schmidt, E. L.—"Equipment Lowers Cost of State Highway Maintenance" ..... Jan.—39

Scott, Robert M.—"Algal Toxins" ..... Mar.—54

Seymour, R. B. and D. F. Deakin—"Jointing Materials for Cast Iron Pipe" ..... July—50

Sharpensteen, J. T.—"How Calcium Chloride Saves Road Money" ..... Mar.—79

Shatto, H. H.—"Sewer Cleaning in Hayward" ..... June—123

Shelton, M. J.—"The Educational Program that Averted a Water Famine" ..... Aug.—60

Skylar, David—"Difficult Construction for Sewer System and Treatment Plant" ..... June—73

Stanton, A. E.—"How We Save Money on Snow and Ice Control" ..... Dec.—65

Steinbicker, Paul G.—"A Civil Defense Program Your Community Can Follow" ..... Aug.—72

Sylvester, M. E.—"Harbor Refuse Disposal in a Large Port" ..... Oct.—80

Symons, G. E. and Harry Eichenauer—"A Study of Sludge Dewatering at a Small Plant" ..... July—54

Teiser, Ruth and Catherine Harroun—"Dual Plant Treats Sewage and Industrial Wastes" ..... Mar.—52

Travis, Paul W.—"Free Trash and Garbage Disposal" ..... Mar.—57

Tucker, M. T.—"Airport Engineers Must Keep Two Jumps Ahead" ..... May—60

Tullo, C. J.—"Six Pumps Deliver 2,100,000 Gallons Per Minute" ..... Nov.—62

Van Breda, A. J.—"Special Treatment for Industrial Wastes at a City Plant" ..... Nov.—54

Walker, C. H.—"Solving a Public Works Problem by Community Cooperation" ..... May—62

Walton, B. N., Jr.—"Application of the NRC Filter Efficiency Formula" ..... Jan.—50

Waterman, W. G.—"Think of Wells for That Field Water Supply" ..... Oct.—69

Weaver, Fayette—"Village Profits by Municipal Power" ..... Mar.—56

West, E. D.—"What You Should Know About Engines for Standby Service" ..... Feb.—69

Westkamper, Bernard—"Get Better Operation Designed Into Your Next Plant" ..... Sept.—60

Westlake, C. F.—"Safe Barricading Procedures" ..... May—94

Whitcomb, G. E.—"Frame for Level Rod for Gutter Grades" ..... June—121

Winder, N. C. and W. S. Mahlie—"Filter Stone and Underdrain Specifications and Placement" ..... Feb.—52

Wright, C. E.—"How Miami Gets Water for a Doubled Population" ..... June—66

"How Florida Improves Substandard Roads" ..... Juy—43

"Salt Well Furnishes Brine for Water Softening" ..... Dec.—63